COMPUTATION CENTER

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
CAMBRIDGE 39, MASSACHUSETTS

Room 26-265
Feb. 8, 1963

Mr. George A. Michael
Theoretical Physics Group
Lawrence Radiation Laboratory
Livermore
California

Dear Mr. Michael,

Accompanying are various tapes you desired.

a,b) symbolic ("English") of Harmony Compiler Phase 1 and Phase 2

c,d,e) Compiler INTERMEDIATE tapes for Bach's Trio Sonatas nos. 1, 3, and 4

f) binary tape of Trio Sonata no. 2

Note that the intermediate tapes are each in three movements to be batch-compiled. I chose to send intermediate tapes because they are the shortest form of the information and hence least error-prone; the one binary Sonata is included in case you have trouble with the Compiler.

Section I.D.9 has been generated for the Compiler Blurb.

I.D.ϕ. tempo. The tempo of a piece may be expressed to the Compiler by the command "tempo", followed by a number computed as follows:

$$n = \frac{2930}{mf}$$

where m is Maelzel's metronome count for a f note:

i.e. if =60, then m=60 and f=1/4; or =110 means m=110, f=3/16. The number n may not be larger than 682. The tempo may be changed at any point in the music; it will be taken =170 if none is given. A "tempo" command appearing in any voice will be applied to all voices; hence only one line used need contain tempo information.

I would very much enjoy receiving copies of any interesting music tapes you produce, and information as your "eyeball" project develops; and feel free to contact me if you have trouble

with the Music System. It will be a point with me to send you the remaining Trio Sonatas 9nos. 5 and 6) as they are prepared, as well as revisions and improvements of the Compiler and its writeup.

Yours truly,

Peter R. Samson

Peter R. Samson